**ÁGILENT TECHNOLOGIES, INC.** Legal Department, DL429 Intellectual Property Administration

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#### ATTORNEY DOCKET NO. 10030589-1

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Daniel B. Roitman, et al.

Serial No.: 10/669,620 Examiner: TBD

Filing Date: September 24, 2003 Group Art Unit: 1641

Title: NEAR-FIELD AND FAR-FIELD ENCODING OF MICROBEADS FOR BIOASSAYS

COMMISSIONER FOR PATENTS

P.O. Box 1450

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Alexandria VA 22313-1450

Sir:	INFORMATION DISCLOSURE STATEMENT
	formation Disclosure Statement is submitted:
(a) 🖾	Under 37 CFR 1.97(b).  (Within three months of filing national application; or date of entry of national application; or before mailing date of first Office action on the merits; whichever occurs last).
(b) 🗆	Under 37 CFR 1.97(c) together with <i>either</i> a:  Statement under CFR 1.97(e), or  \$\text{\$180.00 fee under } 37 CFR 1.17(p).  (After the CFR 1.97(b) time period, but before a final action or notice of allowance, whichever occurs first).
(c) 🗆	Under 37 CFR 1.97(d) together with: a Statement under 37 CFR 1.97(e), <b>and</b> \$180.00 fee as set forth in 37 CFR 1.17(p). (After a final action or notice of allowance, whichever occurs first, but before payment of the issue fee).
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Refere Applica	RIOR APPLICATIONS  nces identified with an asterisk (*) in the enclosed PTO Form 1449, were disclosed in prior Patent ation No. 10/379,107, filed March 4, 2003, now U.S. Patent No. , and, as such, copies thereof are not pursuant to the provisions of 37 CFR 1.98(d).
other foreign	A concise explanation of the relevance of foreign language patents, foreign language publications and preign language information listed on PTO form 1449, as presently understood by the individual(s) ated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign an English language version of the search report or action which indicates the degree of relevance by the foreign office is listed on form PTO 1449 and is enclosed herewith.

ATTORNEY DOCKET NO. 10020507-1

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CFR 1.25.

Respectfully submitted, Daniel B. Roitman, et al.

- www.

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Attorney/Agent for Applicant(s)

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# LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

<b>ATTORNEY DOCKET NO.</b> 10030589-1	SERIAL NO. 10/669,620	
APPLICANT Roitman, Daniel B. et al.		
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September 24, 2003	1641	

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#### **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME
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#### **FOREIGN PATENT DOCUMENT**

	DOCUMENT NUMBER	DATE	NAME	TRANSLATION YES NO
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		OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)
	*	Penetration-Controlled Reactions in Organized Monolayer Assemblies. 2. Aqueous Permanganate Interaction with Self-Assembling Monolayers of Long-Chain Surfactants, Rivka Maoz et al., Langmuir, Vol. 3, No. 6, 1045-1051, 1987.
	*	Mechanism of Reactions on Colloidal Microelectrodes and Size Quantization Effects, Arnim Henglein, Electrochemistry II:, E. Steckhan, ed., ISBN 3-540-18226-8, ISBN 0-387-18226-8, Springer-Verlag Berlin, Heidelberg, New York, 112-175, 1988.
12.11	*	Small-Particle Research: Physicochemical Properties of Extremely Small Colloidal Metal and Semiconductor Particles, Arnim Henglein, Chemical Reviews, Vol. 89, No. 8, 1861-1873. American Chemical Society, 1989.

DATE CONSIDERED

Form	PTO-1449		<b>ATTORNEY DOCKET NO.</b> 10030589-1	SERIAL NO. 10/669,620
	OF PATENTS AND PUBLICATION DISCL		APPLICANT Roitman, Daniel B. et al.	
	STATEMENT	•	FILING DATE	GROUP
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	FOREIGN	PATENT DOC	UMENT	
	DOCUMENT NUMBER	DATE	NAME	TRANSLATION YES NO
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	OTHER REFERENCES (includi	na Author Titl	o Dato Portinent Pages etc \	
* 7	Testing of dve sensitized TiO:	solar cells l	t: Experimental photocurrent	output and conversion
	efficiencies, Greg Smestad et	al., Solar En	ergy Materials and Solar Cell	ls, Vol. 32, No. 3, 259-
	272, March, 1994.			
* 1	Mechanisms of Organic Tran Photochemical Conversion ar	sformations ad Storage of	on Semiconductor Particles, f Solar Energy, ISBN 0-7923-	D.W. Bahnemann, -1194-9, 251-276, 1991.
* 2	The Study of the Gas-Solid In	teraction of .	Acetic Acid with a Cuprous C	Oxide Surface Using
1		oscopy, Harl	and G. Tompkins, Journal of	
EXAMINER	₹	DATE CON	ISIDERED	

<sup>\*</sup> Copies of these references are not enclosed Pursuant to 37 CFR 1.98(d). (See accompanying IDS)

### Sheet 3 of 5 ATTORNEY DOCKET NO. SERIAL NO. Form PTO-1449 10030589-1 10/669,620 **APPLICANT** LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE Roitman, Daniel B. et al. **STATEMENT** FILING DATE GROUP (Use several sheets if necessary) September 24, 2003 N/A **U.S. PATENT DOCUMENTS REFERENCE DESIGNATION** NAME DOCUMENT DATE **EXAMINER** INITIAL NUMBER **FOREIGN PATENT DOCUMENT** TRANSLATION YES NO NAME DOCUMENT DATE NUMBER

Т	*	OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)  Self-Assembled Monolayers and Lithography, George M. Whitesides, et al., The Robert A.
		Welsh Foundation 39 <sup>th</sup> Conference on Chemical Research on Nanophase Chemistry, Houston, Texas, 109-121, October 23-24, 1995.
	*	Colloidal Semiconductor Q-Particles: Chemistry in the Transition Region Between Solid State and Molecules, Horst Weller, Angew. Chem. Int. Ed. Engl., Vol. 32, No. 1, 41-53, 1993.
	*	Combinatorial Discovery of New Photocatalysts for Water Purification with Visible Light, Christian Lettmann et al., Angew. Chem. Int. Ed., Vol. 40, No. 17, 3160-3164, 2001.

DATE CONSIDERED

**EXAMINER** 

<sup>\*</sup> Copies of these references are not enclosed Pursuant to 37 CFR 1.98(d). (See accompanying IDS)

## SERIAL NO. ATTORNEY DOCKET NO. Form PTO-1449 10030589-1 10/669,620 **APPLICANT** LIST OF PATENTS AND PUBLICATIONS FOR **APPLICANT'S INFORMATION DISCLOSURE** Roitman, Daniel B. et al. **STATEMENT** FILING DATE **GROUP** (Use several sheets if necessary) September 24, 2003 N/A **U.S. PATENT DOCUMENTS** REFERENCE DESIGNATION NAME DATE **EXAMINER** DOCUMENT INITIAL **NUMBER FOREIGN PATENT DOCUMENT** TRANSLATION DOCUMENT NAME DATE NUMBER . - : OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.) Adsorption of Ordered Zirconium Phosphonate Multilayer Films on Silicon and Gold Surfaces, Haiwon Lee et al., Journal of Physical Chemistry, Vol. 92, No. 9, 2597-2601, 1988. 2003/0186245 A1. 10/2/03. Roitman et al. Spontaneously Organized Molecular Assemblies. 1. Formation, Dynamics, and Physical Properties of n-Alkanoic Acids Adsorbed from Solution on an Oxidized Aluminum Surface, David L. Allara, Langmuir, Vol.1, No. 1, 45-52, 1985. DATE CONSIDERED **EXAMINER**

## SERIAL NO. ATTORNEY DOCKET NO. **Form PTO-1449** 10030589-1 10/669,620 LIST OF PATENTS AND PUBLICATIONS FOR **APPLICANT APPLICANT'S INFORMATION DISCLOSURE** Roitman, Daniel B. et al. **STATEMENT** FILING DATE **GROUP** (Use several sheets if necessary) N/A September 24, 2003 **U.S. PATENT DOCUMENTS REFERENCE DESIGNATION** NAME DATE EXAMINER DOCUMENT NUMBER INITIAL . . . . . **FOREIGN PATENT DOCUMENT** TRANSLATION NAME DOCUMENT DATE NO NUMBER 11/24 OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.) Visible-Light Detoxification and Charge Generation by Transition Metal Choloride Modified Titania, Ling Zang et al., Chem. Eur. J., Vol. 6, No. 2, 379-384, 2000. **DATE CONSIDERED** EXAMINER